
Subject: Re: sigma_filter calling sequence
Posted by [burton449](#) on Sun, 05 Dec 2010 15:41:32 GMT
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On Dec 4, 8:04 pm, David Fanning <n...@dfanning.com> wrote:

```
> burton449 writes:
>> Ok!
>> the script and the image are in the directory d:\
>> the image is a .tif
>
>> In IDL command line I typed the calling sequence with those
>> parameters:
>
>> Result = sigma_filter( image.tif, 5, 2 )
>
>> I want the box_widht to be of 5 and the N_sigma to be 2.
>
>> The error i got is:
>
>> % Syntax error.
>> IDL> Result = sigma_filter( image.tif, 5, 2 )
>> % Expression must be a structure in this context: IMAGE.
>> % Execution halted at: $MAIN$
>
>> If try to show the path of the image like d:\image.tif the error
>> message is:
>> % Illegal character in program text.
>
> The "image" in the command has to be the image itself,
> not the name of the file containing an image. So, you have
> to read the image data out of the image file.
>
> IDL> image = Read_Tiff('myimagefile.tif')
> IDL> Help, image
>
> Try that and see what happens. :-)
>
> Cheers,
>
> David
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming: http://www.dfanning.com/
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")
```

Thank you David for your help, because I am used with Python, I have the bad habit to try the same calling sequences in IDL. I did what you told me, and script start running but there is a syntax error now. This is what I did in IDL (I put the image and the .pro in the IDL71\bin\bin.x86\ folder):

```
image = Read_Tiff('myimage.tif')
sigma_filter(image, 5, 2, /ALL, /MON )
```

This is the error message in brief:

%syntax error. ... at line 56

%Attempt to call undefined procedure/function: 'SIGMA_FILTER'

```
mean=( filter_image( image,SMO=box_width,ALL=all )*bw2 - image )/
(bw2-1)
```

%syntax error. ... at line 63

```
imvar = fact*( filter_image( imdev,SMO=box_width,ALL=all )*bw2 -
imdev )
```

Do you think the error is in the script itself or in my calling sequence?

Thanks again!

Max
